

### **ABSTRACT OF THE DISCLOSURE**

A system for identifying anatomical structure depicted in an in vivo image, that includes an examination bundle having a captured in vivo image; and a gastrointestinal atlas that includes a list of individual anatomical structures and characterization data of the individual anatomical structures. A classification engine analyzes the examination bundle and the gastrointestinal atlas to identify the anatomical structure depicted in the captured in vivo image.

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